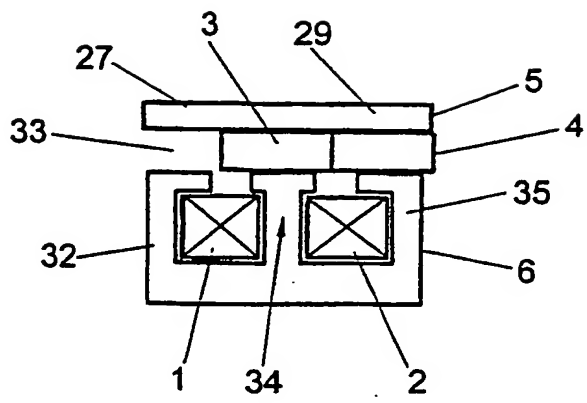
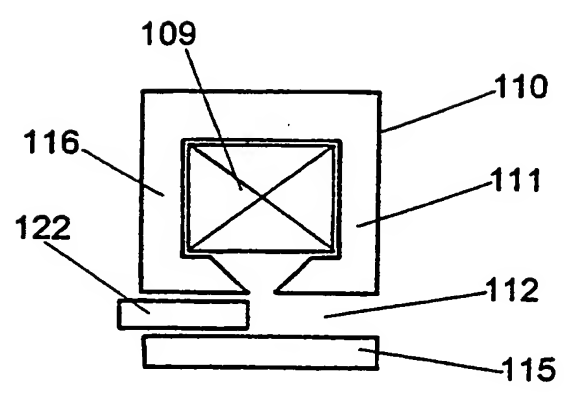


**FIG. 1**

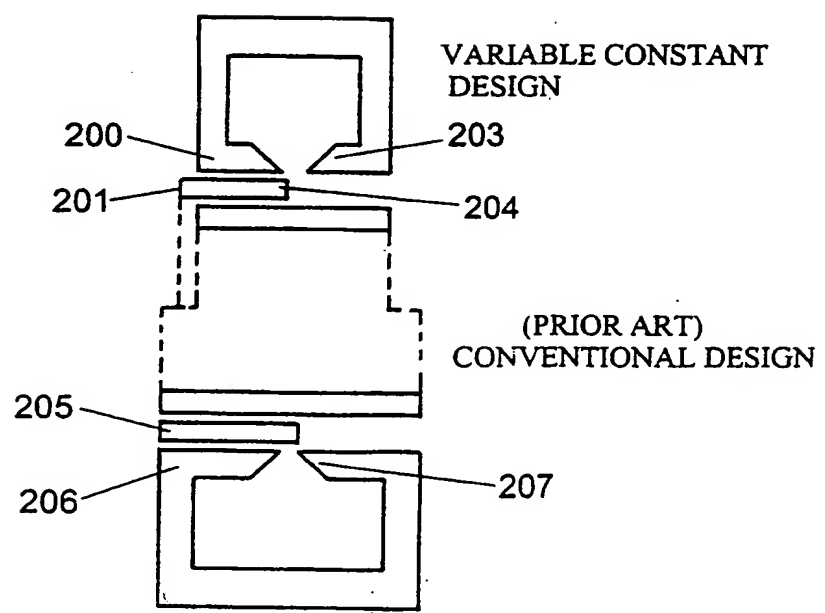


**FIG. 2**

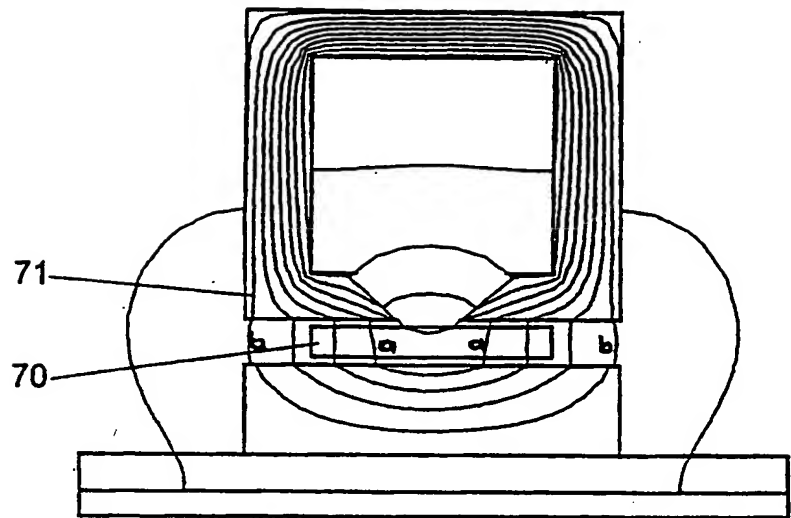


**FIG. 3**

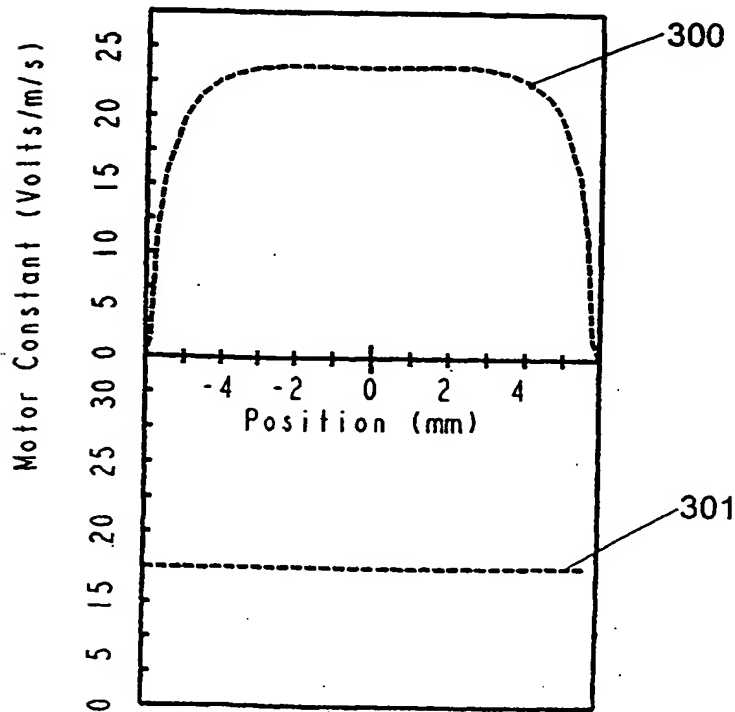
**FIG. 4**

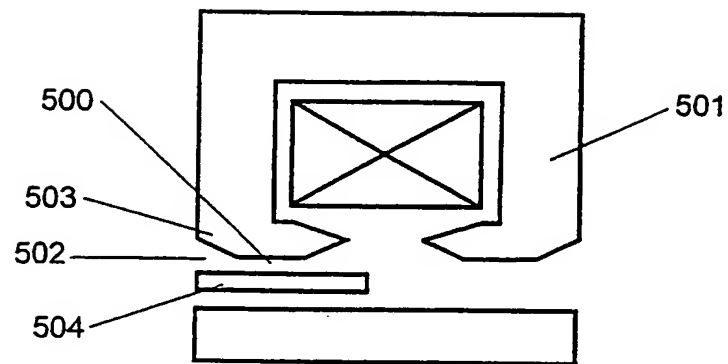


**FIG. 5**

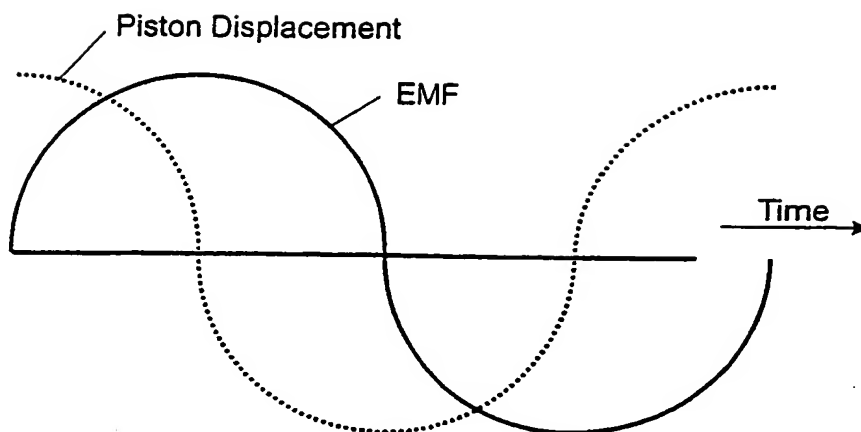


**FIG. 6**

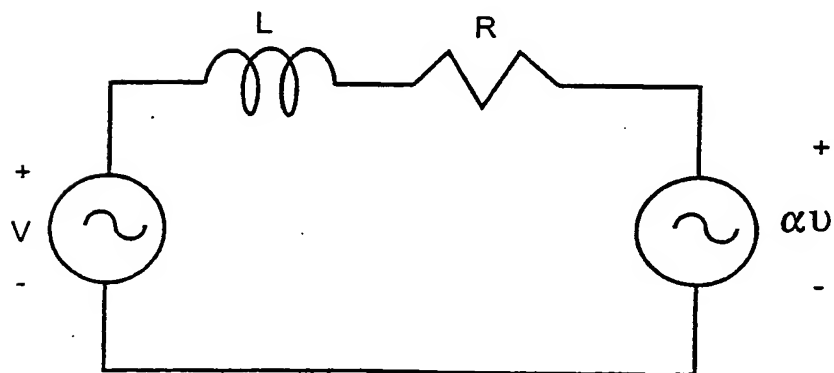




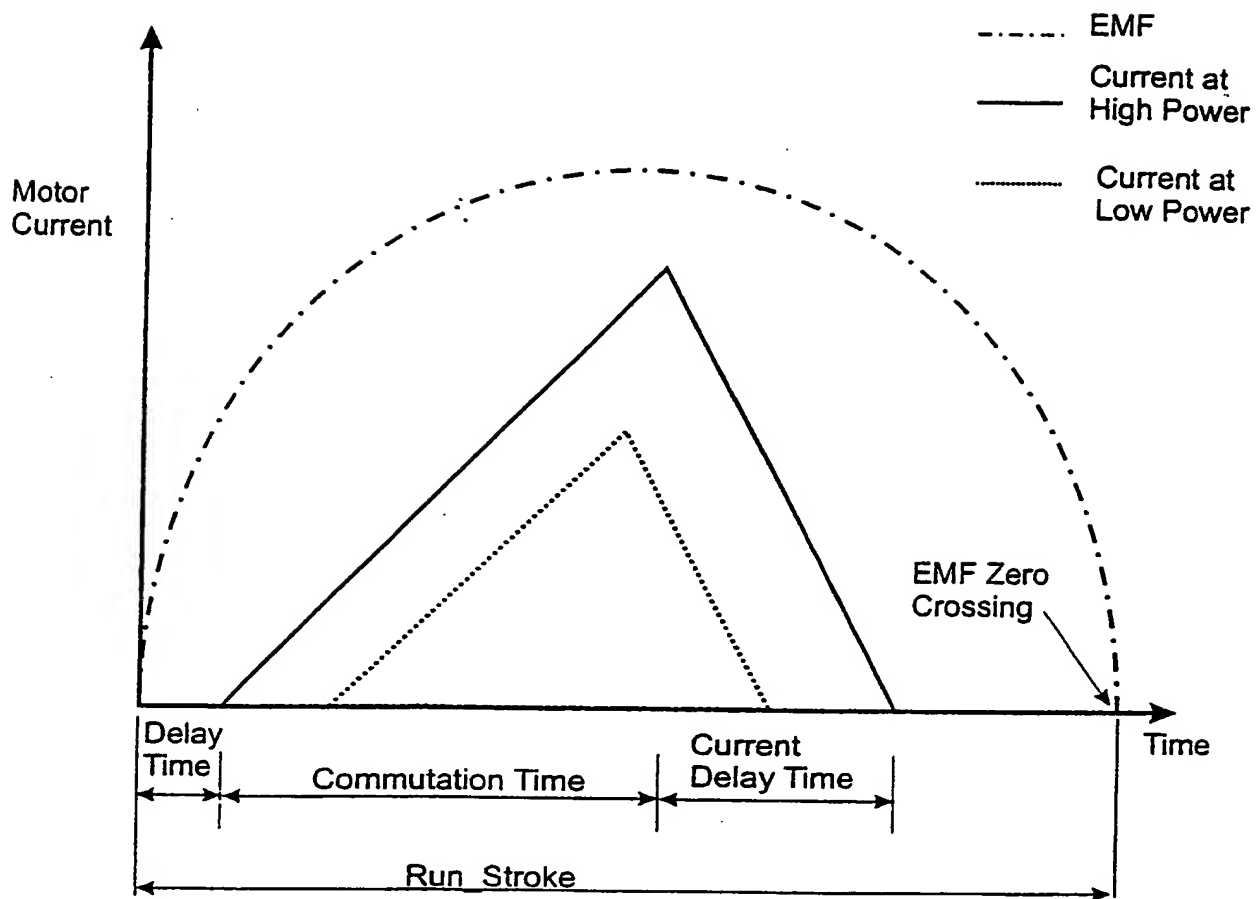
**FIGURE 7**



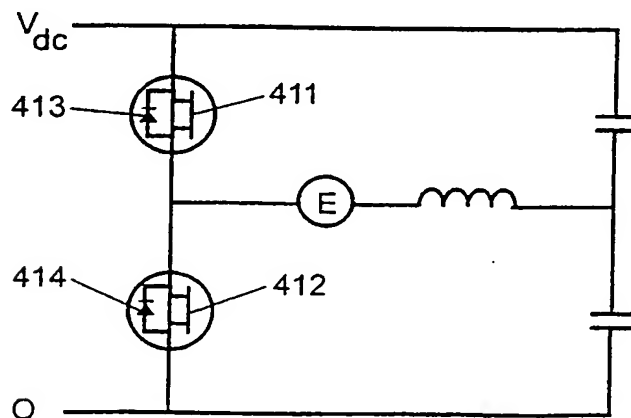
**FIGURE 8a**  
Motor EMF and Displacement Waveforms



**FIGURE 8b**  
Motor Equivalent Circuit



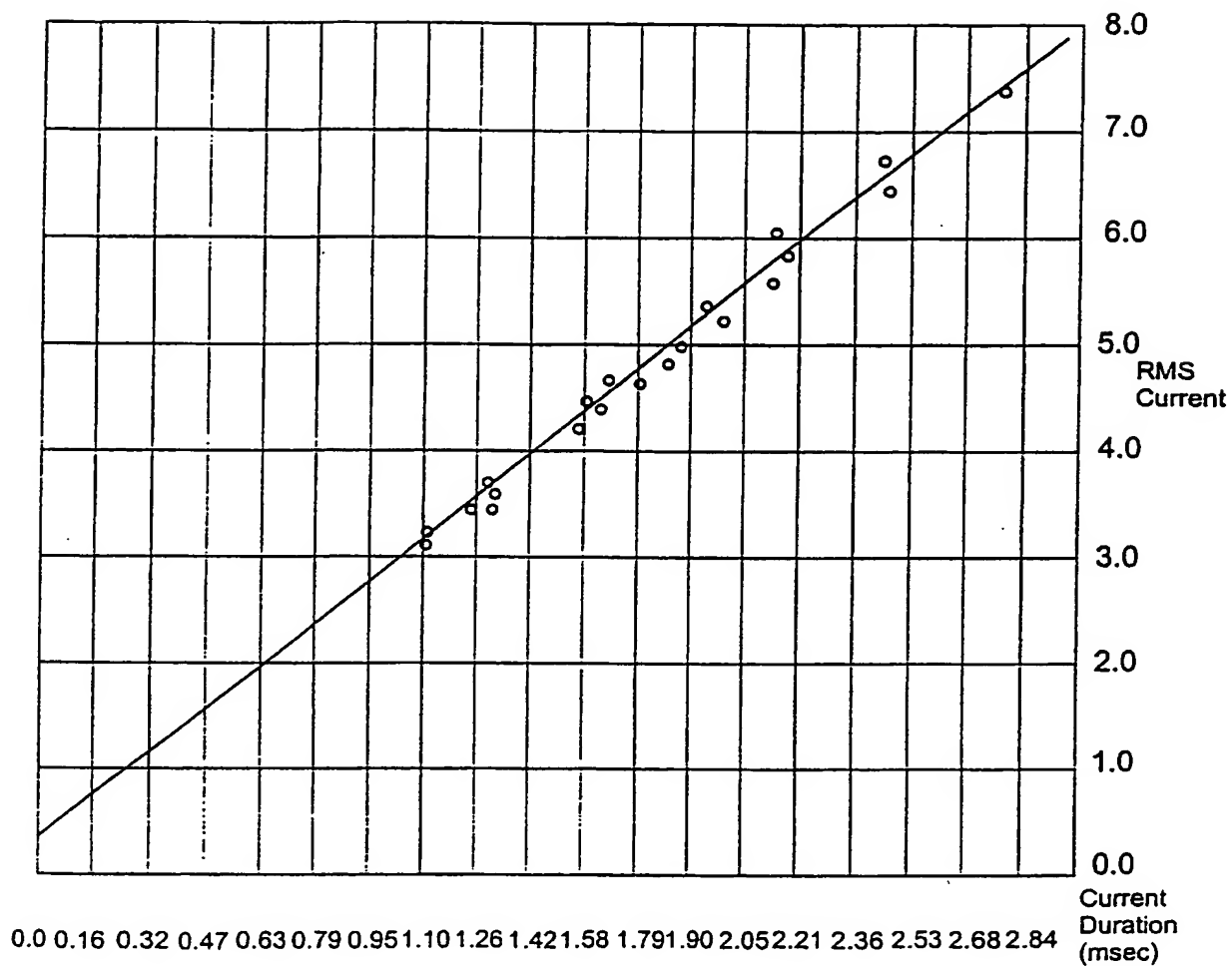
**FIGURE 15**  
Motor Current Waveform and Timing



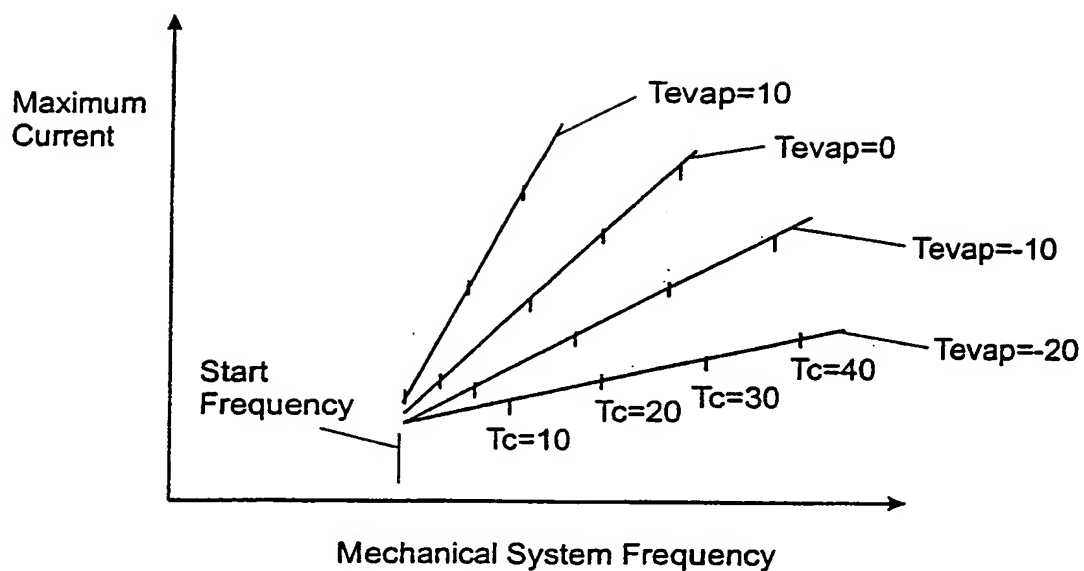
**FIGURE 9**



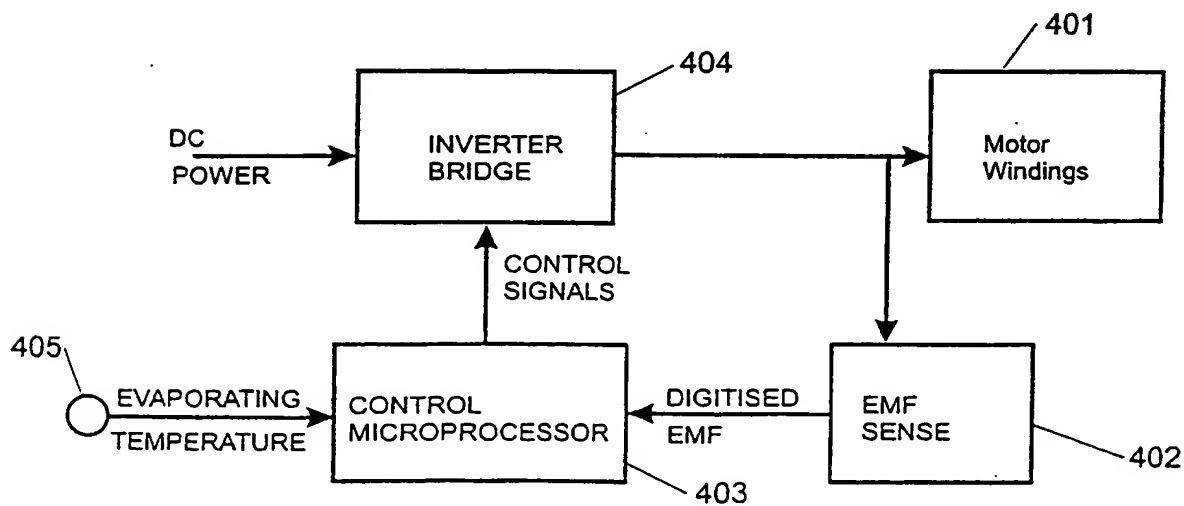
7/10



**FIGURE 12**

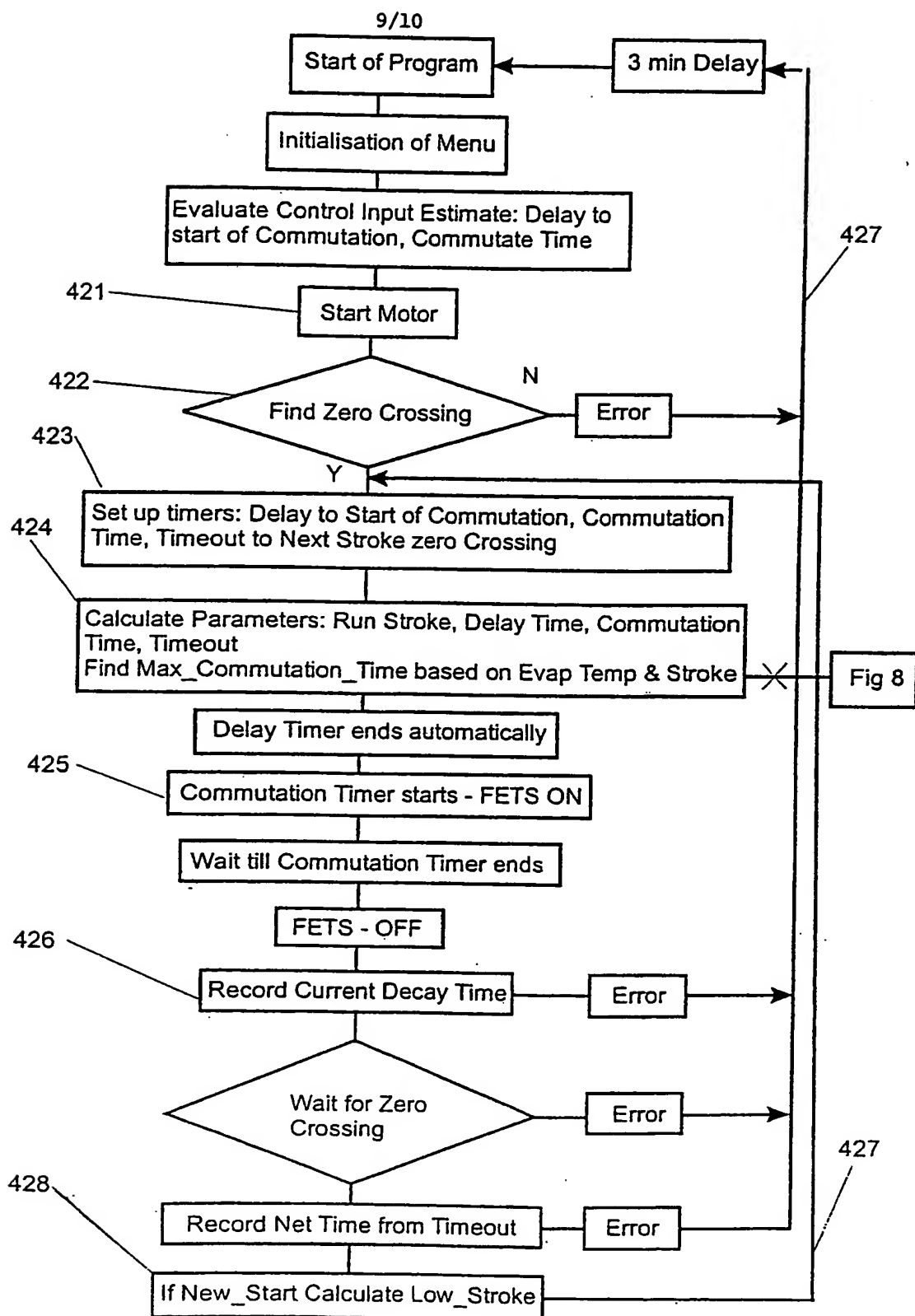


**FIGURE 10**  
 Maximum Current as a function of Evaporation Temperature and Frequency



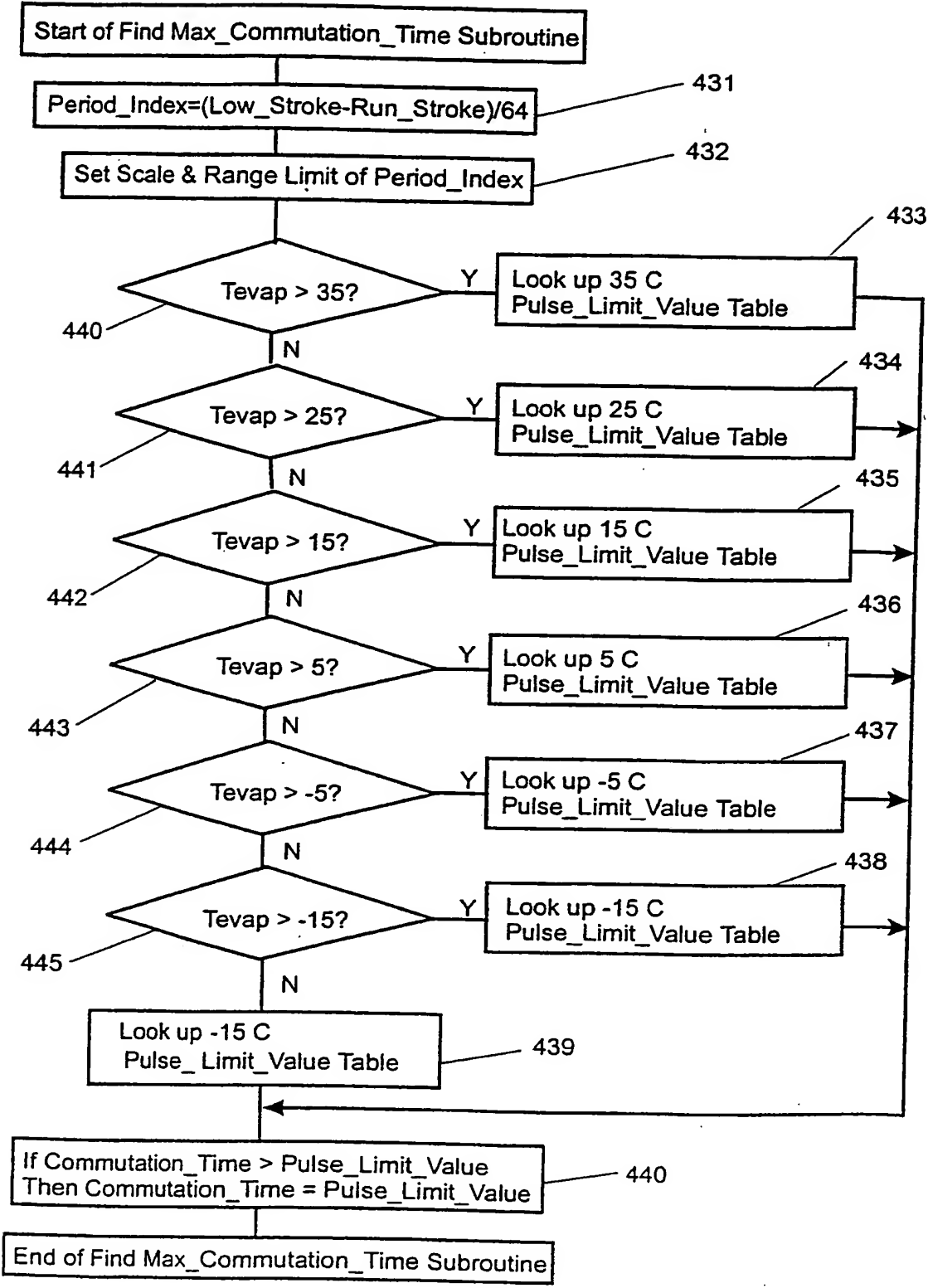
**FIGURE 11**  
 Block diagram of the motor control circuit





**FIGURE 13**

Control Microcomputer Motor Control Timing Flow Chart



**FIGURE 14**

Calculation of Commutation Time Limit based on Evap Temp & Stroke Time